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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:
U.S. Patent No: 6,843,900 B2
Inventors: Dutta et al.
Issued: January 18, 2005
Serial No.: 10/040,036
Examiner: Kaj K. Olsen
Group Art Unit: 1753

Title: POTENTIOMETRIC NO_x SENSORS BASED ON YTTRIA-
STABILIZED ZIRCONIA WITH ZEOLITE MODIFIED ELECTRODE

Docket No.: OSU1159-159A

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. §1.8 (A)

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office at Central Fax No. (571) 273-8300 on April 21, 2006.

Trisha M. Beachy-Bryant
Trisha M. Beachy-Bryant, Paralegal

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 (A)

Date of Deposit: *January 14, 2005*

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Trisha M. Beachy
Trisha M. Beachy, Paralegal

Sir:

REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 C.F.R. 1.322

Transmitted herewith is a Certificate of Correction for the above-referenced patent.

Upon reviewing the patent, the patentee noted that the following references were omitted by the Patent and Trademark Office, which should be inserted as follows:

U.S. Patent No. 6,843,900 B2
Request for Certificate of Correction
Page 2 of 3

In References Cited (56), Other Publications, please insert --

Zhuykov, S. et al., *Stabilized Zirconia-Based NO_x Sensor Using ZnFe₂O₄ Sensing Electrode*, *Electrochemical and Solid-State Letters*, 4 (9), H19-H21 (2001).

Ruhland, B. et al., *Gas-kinetic Interactions of Nitrous Oxides with SnO₂ Surfaces*, *Sensors and Actuators B* 50, 85-94 (1998).

Imanaka, N. et al., *Nitrogen Oxides Sensor Based on Silicon Nitride Refractory Ceramics*, *Electrochemical and Solid-State Letters*, 2 (2), 100-101 (1999).

Zhuykov, S. et al., *Potentiometric NO_x Sensor Based on Stabilized Zirconia and NiCr₂O₄ Sensing Electrode Operating High Temperatures*, *Electrochemistry Communications* 3, 97-101 (2001).

Miura, N. et al., *Selective Detection of NO by Using an Amperometric Sensor Based on Stabilized Zirconia and Oxide Electrode*, *Solid State Ionics* 117, 283-290 (1999).

Sberveglieri, G., et al., *Response to Nitric Oxide of Thin and Thick SnO₂ Films Containing Trivalent Additives*, *Sensors and Actuators B* 1, 79-82 (1990).

Baratto, C. et al., *Gold-Catalysed Porous Silicon for NO_x Sensing*, *Sensors and Actuators B* 68, 74-80 (2000).

Fruhberger, B. et al., *Detection and Quantification of Nitric Oxide in Human Breath Using a Semiconducting Oxide Based Chemiresistive Microsensor*, *Sensors and Actuators B* 76, 226-234 (2001).

Ono, M. et al., *Amperometric Based on NASICON and NO Oxidation Catalysts for Detection of Total NO_x in Atmospheric Environment*, *Solid State Ionics* 136-137, 583-588 (2000).

Fleischer, M. et al., *Selective Gas Detection with High-Temperature Operated Metal Oxides Using Catalytic Filters*, *Sensors and Actuators B* 69, 205-210 (2000).

Kitsukawa, S. et al., *The Interference Elimination for Gas Sensor by Catalyst Filters*, *Sensors and Actuators B* 65, 120-121 (2000).

Hugon, O. et al., *Gas Separation with a Zeolite Filter, Application to the Selectivity Enhancement of Chemical Sensors*, *Sensors and Actuators B* 67, 235-243 (2000).

U.S. Patent No. 6,843,900 B2
Request for Certificate of Correction
Page 3 of 3

Kaneyasu, K. et al., *A Carbon Dioxide Gas Sensor Based on Solid Electrolyte for Air Quality Control*, Sensors and Actuators B66, 58-58 (2000).

Szabo, N. et al., *Microporous Zeolite Modified yttria Stabilized Zirconia (YSZ) Sensors for Nitric Oxide (NO) Determination in Harsh Environments*, Sensors and Actuators B 4142, 1-8 (2001). --


A review of the Application as submitted and thereafter as amended, confirms that the errors were made in the printing of the patent.

Since the above noted errors for which a Certificate of Correction is sought were a result of Patent Office mistake, no fee is due (35 U.S.C. § 254). Approval of the Certificate of Correction respectfully is solicited.

Date: 2-14-05

Respectfully submitted,

By:


Michael Stonebrook
Registration No. 53,851
Standley Law Group LLP
Attorneys for Applicant
495 Metro Place South, Suite 210
Dublin, Ohio 43017-5315
Telephone: 614/792-5555

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PTO/SB/44 (04-04)
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,843,900 B2
DATED : January 18, 2005
INVENTOR(S) : Dutta et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In References Cited (56), Other Publications, please insert --

Zhuykov, S. et al., *Stabilized Zirconia-Based NOx Sensor Using ZnFe2O4 Sensing Electrode*, Electrochemical and Solid-State Letters, 4 (9), H18-H21 (2001).

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MAILING ADDRESS OF SENDER:

Michael Stonebrook
Standley Law Group LLP
495 Metro Place South
Suite 210
Dublin, OH 43017-5319

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Ono, M. et al., *Amperometric Based on NASICON and NO Oxidation Catalysts for Detection of Total NOx in Atmospheric Environment*, Solid State Ionics 136-137, 583-588 (2000).

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Kitsukawa, S. et al., *The Interference Elimination for Gas Sensor by Catalyst Filters*, Sensors and Actuators B 65, 120-121 (2000).

Hugon, O. et al., *Gas Separation with a Zeolite Filter, Application to the Selectivity Enhancement of Chemical Sensors*, Sensors and Actuators B 67, 235-243 (2000).

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Michael Stonebrook
Standley Law Group LLP
495 Metro Place South
Suite 210
Dublin, OH 43017-5319

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(Also Form PTO-1050)**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 6,898,957 B2
APPLICATION NO.: 10/399,990
ISSUE DATE : May 31, 2005
INVENTOR(S) : SLACK, Maurice William

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

In the drawings, Sheet 1, Fig. 1, reference numeral 2 should be applied to the exterior surface of the tubular (rather than reference numeral 4).

In the drawings, Sheet 1, Fig. 1, reference numeral 4 should be applied to the slots in the tubular (rather than reference numeral 2).

In Claim 1, Column 9, Line 58, after "liners" insert --having largely longitudinally oriented slots--.

In Claim 1, Column 9, Line 62, after "surface" insert --, said slots being oriented largely longitudinally relative to the axis of the liner--.

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Donald V. Tomkins
#740, 10150 - 100 Street
Edmonton, Alberta, Canada T5J 0P6

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